

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**"ORGANIC THIOL METAL-FREE STABILIZERS AND PLASTICIZERS FOR HALOGEN-CONTAINING POLYMERS"**

the specification of which

(check one) ☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_  
☐ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	Yes	No
_____	_____	_____	Yes	No
_____	_____	_____	Yes	No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>09/737,973</u> (Application Serial No.)	<u>December 15, 2000</u> (Filing Date)	<u>Pending</u> (Status: patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Daniel J. Hudak, Reg. No. 25,879; Laura F. Shunk, Reg. No. 31,423; Frank C. Rose, Reg. No. 20,395; Michele M. Tyrnak, Reg. No. 42,192; Cheryl L. Farnie, Reg. No. 38,796, and Daniel J. Hudak, Jr., Reg. No. 47,669.

Address all telephone calls to: Daniel J. Hudak, Jr. at telephone No. (330) 535-2220

Address all correspondence to: HUDAK & SHUNK CO., L.P.A.  
 Daniel J. Hudak, Jr.  
 7 West Bowery Street, Suite 808  
 Akron, Ohio 44308-1133

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application of any patent issued thereon.

FIRST OR SOLE  
 Inventor(s) Signature: [Signature] Date: 06/19/01  
 Inventor(s) Typed Name: William Herbert Shunk, Jr. Citizenship: U.S.A.  
 Residence (City): Williamsburg State/Foreign Country: Virginia  
 Post Office Address: 4951 Burnley Drive, Williamsburg, VA 23188-5804

SECOND  
 Inventor(s) Signature: [Signature] Date: 06/19/01  
 Inventor(s) Typed Name: Shi Qu Citizenship: China  
 Residence (City): Columbus State/Foreign Country: Ohio  
 Post Office Address: 702 Ashmun Cr., Columbus, OH 43210



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
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SEPTEMBER 07, 2001

PTAS

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AKRON, OH 44308-1133



\*101765184A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

STARNES, JR. WILLIAM HERBERT

DOC DATE: 06/19/2001

ASSIGNOR:

DU, BIN

DOC DATE: 06/19/2001

ASSIGNEE:

COLLEGE OF WILLIAM AND MARY, THE  
P.O. BOX 8795  
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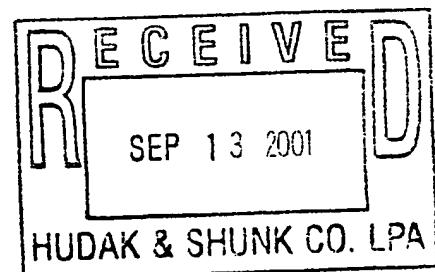
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ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
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RECORD

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

William Herbert Starnes, Jr. and Bin Du

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: The College of William and Mary

Internal Address: P. O. Box 8795

Street Address:

City: Williamsburg State: VA ZIP: 23187-8795

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Security Agreement

☐ Other:

☐ Merger

☐ Change of Name

Execution Date: June 19, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: June 19, 2001

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Daniel J. Hudak, Jr.

Internal Address: Suite 808

Street Address: 7 West Bowery Street

City: Akron State: OH ZIP: 44308-1133

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) ..... \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account.

8. Deposit account number:

08-3150

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Daniel J. Hudak, Jr.

Name of Person Signing

*Daniel J. Hudak, Jr.*  
Signature

6/19/01  
Date

Total number of pages including cover sheet, attachments, and documents: 3

Atty Docket: EP 1020-CIP

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

## **ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee,

**The College of William and Mary**

a State University of Virginia, organized under the laws of the State of Virginia, domiciled at

**P. O. Box 8795, Williamsburg, VA 23187-8795**

U.S.A., receipt whereof is hereby acknowledged, the undersigned by these presents hereby sells, assigns, transfers, and sets over unto said assignee the entire right, title and interest in and to the invention or improvement in

### **“ORGANIC THIOL METAL-FREE STABILIZERS AND PLASTICIZERS FOR HALOGEN-CONTAINING POLYMERS”**

said invention being fully described and/or claimed in the application for Letters Patent of the United States of America, executed this date(s), as well as any divisional, continuing, reissue, reexamination, or other patent applications, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

AND SAID ASSIGNEE IS HEREBY AUTHORIZED to make application for and to receive Letters Patent for said invention in any of said countries at its election.

AND BY THIS COVENANT the undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor to said Assignee, its successors, assigns or other legal representatives, and, upon the request of said assignee, will execute any divisional, continuing, reissue, reexamination, or other applications for patents for said invention, in any country, and will make all rightful oaths and do all lawful acts requisite for aiding, procuring, or maintaining the same or for aiding therein.

AND THE COMMISSIONER of Patents is hereby authorized and requested to issue any and all Letters Patent to the United States for said invention, to said assignee.

SIGNED and sealed as indicated adjacent our signatures.

Date: 19 June 2001

William Herbert Starnes, Jr.  
 William Herbert Starnes, Jr.

STATE OF VIRGINIA )  
 City ) SS:  
 COUNTY OF Williamburg )

BEFORE ME, a Notary Public in and for said County and State, personally appeared **William Herbert Starnes, Jr.**, who signed the foregoing ASSIGNMENT in my presence and who acknowledged the same to be his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 19 day of June, 2001.

Mary A. Anderson  
 Notary Public

(SEAL)

Date: 19 June 2001

Bin Du  
 Bin Du

STATE OF Virginia )  
 City ) SS:  
 COUNTY OF Williamburg )

BEFORE ME, a Notary Public in and for said County and State, personally appeared **Bin Du**, who signed the foregoing ASSIGNMENT in my presence and who acknowledged the same to be his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 19 day of June, 2001.

Mary A. Anderson  
 Notary Public

(SEAL)